Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/09/2014 09:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/27/2014 10:46 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 57599, Expiration Date: 09/30/2014
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124962	-1	1.42	124769	1.13
Blue	F	SSC	125000	122850	-2	3.12	122585	2.47
Blue	E	FITC	20974	20242	-4	1.73	918	7.48
Blue	D	PE	25516	25087	-2	1.39	935	6.75
Blue	B	PerCP-Cy5-5	47091	46351	-2	2.60	1581	11.16
Blue	A	PE-Cy7	41727	40738	-3	4.46	895	20.74
Red	C	APC	51192	50606	-2	2.18	2962	8.08
Red	A	APC-Cy7	50012	49280	-2	2.63	1549	8.31
Violet	B	V450	15453	15287	-2	1.61	918	5.45
Violet	A	V500	60987	59889	-2	1.43	2903	3.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20542	1.90	551	-8	N/A	N/A	Pass
Blue	F	SSC	59832	1.31	466	3	N/A	N/A	Pass
Blue	E	FITC	112	28.00	496	-3	0.0408	33	Pass
Blue	D	PE	209	20.42	485	-2	0.3709	285	Pass
Blue	B	PerCP-Cy5-5	219	30.50	563	-4	0.0189	42	Pass
Blue	A	PE-Cy7	81	70.71	614	-6	0.0262	14	Pass
Red	C	APC	336	23.38	561	0	0.0286	84	Pass
Red	A	APC-Cy7	134	31.15	540	0	0.0078	1574	Pass
Violet	B	V450	95	34.44	441	4	0.1039	3326	Pass
Violet	A	V500	199	17.19	471	3	0.0235	158	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.86	-31.73	0.97
Blue	20.47	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.25
Red	18.45	13.07 - 19.61	N/A	N/A	32.15	32.41	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11967

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments